BRUHAT BANGALORE MAHANAGARA PALIKE

Name of the work :- Construction of RO Plant and Drilling of Borewells installation of Pump and motors, providing pipeline and additicnal motor pumps and necessary accessories in existing borewells in Bellakki, Kattigenahlli, Chokkanahlli, Thirumenahalli, Palanahalli, Agrahara, Sampigenahlli, Srirampura, Jakkur, Kogilu in Ward No.05

WORK SLIP

Agency	M/s Sathya Borewell Cleaning, No.10, Rama rao Buildings, T Dasarahalli, Bangalore-560057
Approved Amount	75053155
Name of Contractor:-	M/s Sathya Borewell Cleaning,
Tender premium:-	+3.99% (Above)

SL No.	Description of Work	Unit	Qty as per Quoted Rate			Total Executed Quantity	Qty. upto 125%			Qty. above 125%			Total Amount	Excess amount	Savings	Remarks
			Qty	Rates	Amount		Qty.	Rates	Amount	Qty.	Rates	Amt				
1	Geophysical investigation of site for sinking borewell for supplying drinking water to the habitation either through the hand pump, MWS or P.W.S.S. by vertical electrical sounding by adopting venner or schlumbergers's method, including reconnaissance survey of geological formation, Geological investigation of existing ground water in vicinity, its quality, quantity & acceptability of the users indicating the location of site, recommended depth of casing pipe required to seal the top unconsolidated formation including an extra depth of 1 0 mtr in consolidated formation for proper seating of casing pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information required including transportation of instrument and accessories to work site, engaging technical personal and labour required etc (P.NO-47, I.NO-9.4, PRED 12-13 SR)	Each BW	69.00	4220.00	291180.00	85.00	85.00	4220.00	358700.00	0.00	0.00	0.00	358700.00	67520.00		
2	Sinking of borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above 900 CMF & above in all strata including over budern upto 20 m. fixing of casing pipes, collars & cap with necessary cutting, threading & welding including transportation of rig and supporting vehicle, crew charges & cost of consumables etc., complete including yield testing at the final depth with minimum working of compressor for one hour(excluding cost of casing pipes, collars, cap etc.,) (P.NO-47, I.NO-9.1, PRED 12-13 SR) 0 to 50 m	Rmtr	3450.00	389.00	1342050.00	4250.00	4250.00	389.00	1653250.00	0.00	0.00	0.00	1653250.00	311200.00		
3	Sinking of borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above 900 CMF & above in all strata including over budern upto 20 m. fixing of casing pipes, collars & cap with necessary cutting, threading & welding including transportation of rig and supporting vehicle, crew charges & cost of consumables etc., complete including yield testing at the final depth with minimum working of compressor for one hour(excluding cost of casing pipes, collars, cap etc.,) (P.NO-47, I.NO-9.1, PRED 12-13 SR 50 to 100 m	Rmtr	3450.00	496.00	1711200.00	4250.00	4250.00	496.00	2108000.00	0.00	0.00	0.00	2108000.00	396800.00		
4	Sinking of borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above 900 CMF & above in all strata including over budern upto 20 m. fixing of casing pipes, collars & cap with necessary cutting, threading & welding including transportation of rig and supporting vehicle, crew charges & cost of consumables etc., complete including yield testing at the final depth with minimum working of compressor for one hour(excluding cost of casing pipes, collars, cap etc.,) (P.NO-47, I.NO-9.1, PRED 12-13 SR 100 to 150 m	Rmtr	3450.00	511.00	1762950.00	4250.00	4250.00	511.00	2171750.00	0.00	0.00	0.00	2171750.00	408800.00		

Sl. No.	Description of Work	Unit	Qty as per Quoted Rate			Total Executed Quantity	Qty. upto 125%			Qty. above 125%			Total Amount	Excess amount	Savings	Remarks
			Qty	Rates	Amount		Qty.	Rates	Amount	Qty.	Rates	Amt				
5	Sinking of borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above 900 CMF & above in all strata including over budern upto 20 m. fixing of casing pipes, collars & cap with necessary cutting, threading & welding including transportation of rig and supporting vehicle, crew charges & cost of consumables etc., complete including yield testing at the final depth with minimum working of compressor for one hour(excluding cost of casing pipes, collars, cap etc.,) (P.NO-47, I.NO-9.1, PRED 12-13 SR 150 to 200 m	Rmtr	3450.00	601.00	2073450.00	4250.00	4250.00	601.00	2554250.00	0.00	0.00	0.00	2554250.00	480800.00		
6	Sinking of borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above 900 CMF & above in all strata including over budern upto 20 m. fixing of casing pipes, collars & cap with necessary cutting, threading & welding including transportation of rig and supporting vehicle, crew charges & cost of consumables etc., complete including yield testing at the final depth with minimum working of compressor for one hour(excluding cost of casing pipes, collars, cap etc.,) (P.NO-47, I.NO-9.1, PRED 12-13 SR 200 to 250 m	Rmtr	3450.00	711.00	2452950.00	4250.00	4250.00	711.00	3021750.00	0.00	0.00	0.00	3021750.00	568800.00		
7	Sinking of borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above 900 CMF & above in all strata including over budern upto 20 m. fixing of casing pipes, collars & cap with necessary cutting, threading & welding including transportation of rig and supporting vehicle, crew charges & cost of consumables etc., complete including yield testing at the final depth with minimum working of compressor for one hour(excluding cost of casing pipes, collars, cap etc.,) (P.NO-47, I.NO-9.1, PRED 12-13 SR 250 to 300 m	Rmtr	3450.00	785.00	2708250.00	4250.00	4250.00	785.00	3336250.00	0.00	0.00	0.00	3336250.00	628000.00		
8	Sinking of borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above 900 CMF & above in all strata including over budern upto 20 m. fixing of casing pipes, collars & cap with necessary cutting, threading & welding including transportation of rig and supporting vehicle, crew charges & cost of consumables etc., complete including yield testing at the final depth with minimum working of compressor for one hour(excluding cost of casing pipes, collars, cap etc.,) (P.NO-47, I.NO-9.1, PRED 12-13 SR 300 to 350 m	Rmtr	3450.00	250.00	862500.00	4250.00	4250.00	250.00	1062500.00	0.00	0.00	0.00	1062500.00	200000.00		
9	Sinking of borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above 900 CMF & above in all strata including over budern upto 20 m. fixing of casing pipes, collars & cap with necessary cutting, threading & welding including transportation of rig and supporting vehicle, crew charges & cost of consumables etc., complete including yield testing at the final depth with minimum working of compressor for one hour(excluding cost of casing pipes, collars, cap etc.,) (P.NO-47, I.NO-9.1, PRED 12-13 SR 350 to above	Rmtr	3450.00	713.00	2459850.00	4250.00	4250.00	713.00	3030250.00	0.00	0.00	0.00	3030250.00	570400.00		

Sl. No.	Description of Work	Unit	Qty as per Quoted Rate			Total Executed Quantity	Qty. upto 125%			Qty. above 125%			Total Amount	Excess amount	Savings	Remarks
			Qty	Rates	Amount		Qty.	Rates	Amount	Qty.	Rates	Amt				
10	Supplying of ISI Mark 175 mm nominal bore medium black ERW casing pipe of 5mm thick black electric resistance continous welded midle steel tube material confirming to IS 1387/1993 and manufactured from hot rolled steel skelp/stripes in random length of 4 to 7 mtr both ends threaded confirming to IS 554/1985 one end(including of all taxes) (P.NO-III, I.NO-84, PRED 12-13 SR)	Rmtr	4140.00	1480.00	6127200.00	5100.00	5100.00	1480.00	7548000.00	0.00	0.00	0.00	7548000.00	1420800.00		
11	Providing and fixing 250mm dia PVC pipe and as per specification and directions. (BWSSB SR 18-19, P.No.133 sl.no.1.11.)	Rmtr	690.00	1518.00	1047420.00	1110.10	862.50	1518.00	1309275.00	247.60	1449.19	358821.00	1668096.00	620676.00		
12	175 mm dia M.S. Casing cap (P.NO-III, I.NO-85, PRED 12-13 SR)	Each	69.00	103.00	7107.00	85.00	85.00	103.00	8755.00	0.00	0.00	0.00	8755.00	1648.00		
13	M.S. Casing pipe collars 'C' Class (P.NO-III, I.NO-86, PRED 12-13 SR)	Each	690.00	154.00	106260.00	850.00	850.00	154.00	130900.00	0.00	0.00	0.00	130900.00	24640.00		
14	Fabricating supplying and mounting MS box of 16 SWG suitable for floor / wall mounting, fully weather proof with provision for better hear description, (providing with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished 2 coats of red oxide primes paint and finally finished with approved colour enamelled metal paint etc,. complete box of 21600 sq cm P No. 49 No 6.4 KPWD Electrical SR 14-15 16 swg	Sqm	1518000.00	0.33	500940.00	1738000.00	1738000.00	0.33	573540.00	0.00	0.00	0.00	573540.00	72600.00		
15	Labour charges for erection of new /repaired submersible pumpset along with GI pipes (32/50mm) cable (new submersible pumpset if required will be supplied by the department free of cost and released pump set should be handed over to department) including transportation (each length = 6.00m) (P.No - 144, I.No -28, BWSSB SR	Each	3450.00	100.00	345000.00	4371.00	4312.50	100.00	431250.00	58.50	95.67	5597.00	436847.00	91847.00		
28	Supply and fixing Heavy Collar for GI Pipes 50MM (Page No. XLVII, Sl NO.2, PWD SR-2018-19	No's	3864.00	190.00	734160.00	4410.00	4410.00	190.00	837900.00	0.00	0.00	0.00	837900.00	103740.00		
34	Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in Ordinary soil not exceeding 1.5 m in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m after breaking of clods complete as per specifications (P.NO - 6, I.NO - 2.3, PWD SR 18-19)	Cum	10929.60	318.00	3475613.00	11392.25	11392.25	318.00	3622734.00	0.00	0.00	0.00	3622734.00	147121.00		
35	Providing and installing at site of work 63mm (0.662) PVC Pipes of 6 kg / cm2 including cost of pipes and specials and labour, including lowering into trenches, laying true to line, level and perfect linking at joints leak proof including jointing of approved type with all labour and lift charges, handling charges including encasing the pipe alround to a depth not less than 15cms with gravel or selected earth available from the excavation etc., complete (P.NO - 94, I.NO - 13.73.2, PWD SR 18-19)	Mtr	24288.00	395.00	9593760.00	25316.10	25316.10	395.00	9999860.00	0.00	234.00	0.00	9999860.00	406100.00		

SL No.	Description of Work	Unit	Qty as per Quoted Rate			Total Executed Quantity	Qty. upto 125%			Qty. above 125%			Total Amount	Excess amount	Savings	Remarks
			Qty	Rates	Amount		Qty.	Rates	Amount	Qty.	Rates	Amt				
36	Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m and lift upto 1.5m including cost of all labour complete as per specifications (P.NO - 7, I.NO - 2.11, PWD SR 18-19)	Cum	10929.60	129.00	1409919.00	11392.25	11392.25	129.00	1469600.00	0.00	0.00	0.00	1469600.00	59681.00		
	Grand total				39011759.00								45592932.00	6581173.00	0.00	

Note: Percentage of Workslip over the sanctioned Estimate=Excess amount over the approved amount/Amount Put to tender x 100

(6581173/75053155)=8.77%

Percentage of Workslip 8.77%

Contractor

Assistant Engineer

Assistant Executive Engineer

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

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Executive Engineer

Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore-92

BRUHAT BANAGLORE MAHANAGARA PALIKE

Yelahanka Satellite Town Sub Division

EXTRA ITEM RATE LIST

Name of the work : Construction of RO Plant and Drilling of Borewells installation of Pump and motors, providing pipeline and additional motor pumps and necessary accessories to existing borewells in Bellahlli, Kattigenahlli, Chokkanahlli, Thirumenahalli, Palanahalli, Agrahara, Sampigenahlli, Srirampura, Jakkur, Kogilu in Ward No.05

Agency: M/s Sathya Borewell Cleaning, No.10, Rama rao Buildings. T Dasarahalli. Bangalore-560057

Sl No	Item Of Work	Unit	Estimate qty	Rate	Amount (Rs.)	Whether the item alternative in tender or additional items	Whether the extra item is included in sanctioned estimate	How the Cost is proposed to be met	Whether extra item is included in S.R.	Remarks
1	2	3	4	5	6	7	8	9	10	11
E1	Supply & delivery at site brand new texmo/innoval/lubi/sabar /Atalanta/calamal/ waterman/Radha make suitable HP deep well submercible pumpset suitable for vertical installation in 150 dia borewells compressing of single stage or multistage CF pump close coupled by means of stainless steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water squirrel cagesubmercible induction motor suitable for operation of 3Ph, 50Hz.380/440 volts AC supply fitted with required accessories such as suction, casing, suction strainers, sand guard. Non return valve etc Complete the pump and motor shall from an integral unit with all the required fittings 15 HP 35 stage (P.NO-XLII, I.NO-44, PWD SR 18-19)	No	6.00	70426.19	422558.00	Additonal Item	No	Savings in Estimate	Yes	
E2	Supply & delivery at site brand new texmo/innoval/lubi/sabar /Atalanta/calamal/ waterman/Radha make suitable HP deep well submercible pumpset suitable for vertical installation in 150 dia borewells compressing of single stage or multistage CF pump close coupled by means of stainless steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water squirrel cagesubmercible induction motor suitable for operation of 3Ph, 50Hz.380/440 volts AC supply fitted with required accessories such as suction, casing, suction strainers, sand guard. Non return valve etc Complete the pump and motor shall from an integral unit with all the required fittings 12.5 HP 25 stage (P.NO-XLI, I.NO-35, PWD SR 18-19)	No	1.00	58664.92	58665.00	Additonal Item	No	Savings in Estimate	Yes	
E3	Supply & delivery at site brand new texmo/innoval/lubi/sabar /Atalanta/calamal/ waterman/Radha make suitable HP deep well submercible pumpset suitable for vertical installation in 150 dia borewells compressing of single stage or multistage CF pump close coupled by means of stainless steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water squirrel cagesubmercible induction motor suitable for operation of 3Ph, 50Hz.380/440 volts AC supply fitted with required accessories such as suction, casing, suction strainers, sand guard. Non return valve etc Complete the pump and motor shall from an integral unit with all the required fittings 10 HP 30 stage (P.NO-XLI, I.NO-31, PWD SR 18-19)	No	5.00	60798.79	303994.00	Additonal Item	No	Savings in Estimate	Yes	
E4	Supply & delivery at site brand new texmo/innoval/lubi/sabar /Atalanta/calamal/ waterman/Radha make suitable HP deep well submercible pumpset suitable for vertical installation in 150 dia borewells compressing of single stage or multistage CF pump close coupled by means of stainless steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water squirrel cagesubmercible induction motor suitable for operation of 3Ph, 50Hz.380/440 volts AC supply fitted with required accessories such as suction, casing, suction strainers, sand guard. Non return valve etc Complete the pump and motor shall from an integral unit with all the required fittings 10 HP 20 stage (P.NO-XLI, I.NO-29, PWD SR 18-19)	No	1.00	51948.20	51949.00	Additonal Item	No	Savings in Estimate	Yes	

E5	Supplying of submersible pump cable 1X3X4.0 Sq.mm (Page No. XLVII, Sl NO. 7, PWD SR-2018-19	Mtr	600.00	112.31	67386.00	Additonal Item	No	Savings in Estimate	Yes	
	TOTAL EIRL AMOUNT				904552.00					
	AMOUNT IN WORDS	Rupees Nine lakh Four Thousand Five Hundred Fifty Two Only								

PERCENTAGE OF EXCESS OVER AMOUNT PUT TO TENDER

$$\frac{\text{EIRL}}{\text{Approved Tender Price}} = \frac{904552.00}{75053155.00} \times 100 = 1.21\ \%$$

Asst Engineer

Asst. Executive Engineer

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

Executive Engineer

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Yelahanka Zone
BBMP, Bangalore-92

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BRUHAT BANGALORE MAHANAGARA PALIKE

Name of the work : Construction of RO Plant and Drilling of Borewells installation of Pump and motors, providing pipeline and additional motor pumps and necessary accessories to existing borewells in Bellahlli, Kattigenahlli, Chokkanahlli, Thirumenahalli, Palanahalli, Agrahara, Sampigenahlli, Srirampura, Jakkur, Kogilu in Ward No.05

RATE ANALYSIS

Estimate Amount:-	**Rs 800.00 LAKHS**
Name of Contractor:-	**M/s Sathya Borewell Cleaning,**
Approved amount:-	**75053155.000**
Tender premium:-	**+3.99% (Above)**

Sl No	Description.	Unit	Page	Item	Basic rate	Lift charges	Total	AW @ 3%	Total Rate	Add T.P (+)3.99%	Final Rate.
				Work Slip Item							
11	Providing and fixing 250mm dia PVC pipe and as per specification and directions. (BWSSB SR 18-19, P.No.133 sl.no.1.11.)	Rmtr	Pg No.133 of KPWD S.R 2018-19	1.11	1353.00	0	1353.00	40.59	1393.59	55.60	1449.19
15	Labour charges for erection of new /repaired submersible pumpset along with GI pipes (32/50mm) cable (new submersible pumpset if required will be supplied by the department free of cost and released pump set should be handed over to department) including transportation (each length = 6.00m) (P.No - 144, I.No -28, BWSSB SR	Per Length	Pg No.144 of BWSSB S.R	28.00	92.00	0	92.00	0	92.00	3.67	95.67

Sl No	Description.	Unit	Page	Item	Basic rate	Lift charges	Total	AW @ 3%	Total Rate	Add T.P (+)3.99%	Final Rate.
EIRL Item											
E1	Supply & delivery at site brand new texmo/innoval/lubi/sabar /Atalanta/calamal/ waterman/Radha make suitable HP deep well submercible pumpset suitable for vertical installation in 150 dia borewells compressing of single stage or multistage CF pump close coupled by means of stainless steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water squirrel cagesubmercible induction motor suitable for operation of 3Ph, 50Hz.380/440 volts AC supply fitted with required accessories such as suction, casing, suction strainers, sand guard. Non return valve etc Complete the pump and motor shall from an integral unit with all the required fittings 15 HP 35 stage (P.NO-XLII, I.NO-44, PWD SR 18-19)	No	Pg No.XLII of KPWD S.R 2018-19	44.00	67724.00	0	67724.00	0	67724.00	2702.19	70426.19
E2	Supply & delivery at site brand new texmo/innoval/lubi/sabar /Atalanta/calamal/ waterman/Radha make suitable HP deep well submercible pumpset suitable for vertical installation in 150 dia borewells compressing of single stage or multistage CF pump close coupled by means of stainless steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water squirrel cagesubmercible induction motor suitable for operation of 3Ph, 50Hz.380/440 volts AC supply fitted with required accessories such as suction, casing, suction strainers, sand guard. Non return valve etc Complete the pump and motor shall from an integral unit with all the required fittings 12.5 HP 25 stage (P.NO-XLI, I.NO-35, PWD SR 18-19)	No	Pg No.XLI of KPWD S.R 2018-19	35.00	56414.00	0	56414.00	0	56414.00	2250.92	58664.92

Sl No	Description.	Unit	Page	Item	Basic rate	Lift charges	Total	AW @ 3%	Total Rate	Add T.P (+)3.99%	Final Rate.
E3	Supply & delivery at site brand new texmo/innoval/lubi/sabar /Atalanta/calamal/ waterman/Radha make suitable HP deep well submercible pumpset suitable for vertical installation in 150 dia borewells compressing of single stage or multistage CF pump close coupled by means of stainless steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water squirrel cagesubmercible induction motor suitable for operation of 3Ph, 50Hz.380/440 volts AC supply fitted with required accessories such as suction, casing, suction strainers, sand guard. Non return valve etc Complete the pump and motor shall from an integral unit with all the required fittings 10 HP 30 stage (P.NO-XLI, I.NO-31, PWD SR 18-19)	No	Pg No.XLI of KPWD S.R 2018-19	31.00	58466.00	0	58466.00	0	58466.00	2332.79	60798.79
E4	Supply & delivery at site brand new texmo/innoval/lubi/sabar /Atalanta/calamal/ waterman/Radha make suitable HP deep well submercible pumpset suitable for vertical installation in 150 dia borewells compressing of single stage or multistage CF pump close coupled by means of stainless steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water squirrel cagesubmercible induction motor suitable for operation of 3Ph, 50Hz.380/440 volts AC supply fitted with required accessories such as suction, casing, suction	No	Pg No.XLI of KPWD S.R 2018-19	29.00	49955.00	0	49955.00	0	49955.00	1993.20	51948.20
E5	Supplying of submersible pump cable 1X3X4.0 Sq.mm (Page No. XLVII, Sl NO. 7, PWD SR-2018-19	Mtr	Pg No.XLVII of KPWD S.R 2018-19	7.00	108.00	0	108.00	0	108.00	4.31	112.31

Asst Engineer

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